

2016 Second Quarter

**DEPARTMENT OF TRANSPORTATION** 

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### 2016 Second Quarter

#### **EXECUTIVE SUMMARY**

#### Overview

Caltrans District 5 contains five counties located in central coast California: Santa Barbara, San Luis Obispo, Monterey, Santa Cruz and San Benito Counties. There is no detection in San Benito County currently. All of the counties are in an urban setting within the cities limit and rural outside city limit. Santa Cruz and Monterey are the top two most congested counties in the 2<sup>nd</sup> quarter.

The Mobility Performance quarterly analysis compares information with over a year ago and over last quarter in the following performance measures:

- Vehicle Miles of Travel (VMT))
- o Vehicle Hours of Delay (VHD), Bottleneck Locations
- Lost Lane Miles (equivalent lost productivity)
- o Detector Health

This information is based on data collected every day of the quarter, twenty–four hours a day, by automated vehicle detector stations deployed on urban-area freeways where congestion is regularly experienced. The MPR presents congestion information at two speed thresholds: delay from vehicles traveling below 35 miles per hour (mph), and delay from vehicles traveling below 60 mph. The delay at the 35 mph threshold represents severe congestion while delay at 60 mph represents all congestion, both light and heavy. These thresholds are set by Caltrans and are based upon engineering experience and District input.

## **FINDINGS**

In the second quarter, total delay equaled 438,500 thousand vehicle hours of delay (VHD) at the 35 mph speed threshold, and 790,900 thousand VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 4,900 thousand VHD at 35 mph, and 8,800 thousand VHD at 60 mph.

# Top Ten Bottlenecks for Quarter 2

County	Fwy	Location	Shift	Abs PM	CA PM	# Days Active	Avg Extent (Miles)	Total Delay (veh-hrs)	Total Duration (mins)
MON	SR1-N	CANYON DEL REY BLVD AT HWY 1 NB	PM	330.075	79.54	61	3.17705	24767.9	8180
SB	US101-N	CASSITAS PASS RD 101 NB VDS MLNB	AM	85.408	2.485	62	2.9	13241.4	5530
SB	US101-S	CABRILLO BLVD SB 101 PM 94.57 VD	PM	94.55	11.662	59	1.34746	10565.3	6470
SLO	US101-S	SPYGLASS DR 101 SB VDS MLSB SB	PM	193.322	19.797	35	2.36571	7650.1	4615
SCR	SR1-S	NB1 to NB 17 conn	PM	368.018	16.72	44	5.43636	7211.4	2980
MON	SR1-N	CASA VERDE WAY HWY 1 SB VDS MLNB	PM	329.082	78.547	35	2.68571	7010.1	2710
MON	SR1-N	CARPENTER RD HWY 1 NB VDS MLNB N	PM	324.954	74.419	36	2.74167	3803.3	3610
SB	US101-N	SAN YSIDRO RD 101 NB VDS MLNB NB	PM	92.954	10.039	11	3.73636	2246.8	1485
MON	SR1-S	OCEAN AVE HWY 1 NB VDS MLSB SB	PM	324.196	73.727	36	0.83611	2068.3	7960
MON	SR1-S	STRUVE RD HWY 1 SB VDS MLSB SB	PM	347.255	98.193	26	2.39231	1750.9	2435

## **Quarterly Mobility Statistics**



Graph

Measure

**Percentage Change** 



Congestion by Route												
		Vehicle Hours of Delay at 35 mph			Difference 2016 Q2-2015 Q2		Difference 2016 Q2-2016 Q1		Rank			
Route	County	2015 Q2	2016 Q1	2016 Q2	Absolute	Percentage	Absolute	Percentage	2015 Q2	2016 Q1	2016 Q2	
SR1	Santa Cruz	115,715	80,342	199,940	84,225	72.8%	119,598	148.9%	1	1	1	
SR1	Monterey	28,703	33,138	86,015	57,313	199.7%	52,877	159.6%	3	3	2	
US101	Santa Barbara	39,179	60,479	83,756	44,578	113.8%	23,278	38.5%	2	2	3	
US101	San Luis Obispo	20,611	13,422	36,799	16,187	78.5%	23,377	174.2%	4	4	4	
SR17	Santa Cruz	16,824	6,547	22,219	5,395	32.1%	15,672	239.4%	5	5	5	
US101	Monterey	0	0	9,731	9,731		9,731			·	6	
TOTALS		221,031	193,927	438,459	217,428	98.4%	244,532	126.1%				

New detections were installed in quarter 2, 2016 on US 101 between City of Salinas south to Prunedale area (PM 91.888-98.360). Therefore, there are no comparable data for 2015 Q2 and 2016 Q1 for this Route.